

What the invention claimed is:

1. A high-performance water heater comprising:

a heat absorber, said heat absorber comprising an oil chamber holding an oil;

5 a heat guide, said heat guide comprising a water chamber, a cold water pipe connected to a first side thereof and adapted to guide cold water into said water chamber, and a hot water pipe connected to a second side thereof and adapted to guide hot water out of said water chamber;

10 a plurality of heat conducting members connected between said heat absorber and said heat guide and adapted to transfer heat energy from said oil in said oil chamber to water in said water chamber of said heat guide; and

a heating device adapted to heat said heat absorber.

15 2. The high-performance water heater as claimed in claim 1, wherein said heating device is an electric heating device having an electric heating tube inserted into said oil chamber and adapted to heat said oil.

3. The high-performance water heater as claimed in claim 2
20 wherein said heat conducting members are solid heat conducting rods.

4. The high-performance water heater as claimed in claim 2, wherein said heat conducting members are heat conducting tubes.

5. The high-performance water heater as claimed in claim 2,
wherein said heat absorber comprises a hollow heat absorber body
defining said oil chamber, and a cover plate covering said hollow
heat absorber body; said heat guide comprises a hollow heat guide
5 body defining said water chamber, and a cover plate covering said
hollow heat guide body; said heat conducting members each have
two distal ends respectively inserted through one side of said
hollow heat absorber body and one side of said hollow heat guide
body and respectively suspended in said oil chamber and said water
10 chamber.

6. The high-performance water heater as claimed in claim 1,
wherein said heating device is a gas burner disposed at a bottom
side of said heat absorber.

7. The high-performance water heater as claimed in claim 6,
15 wherein said gas burner comprises a combustion chamber disposed
below said heat absorber, a burner base disposed at a bottom side of
said combustion chamber.

8. The high-performance water heater as claimed in claim 7,
wherein said heat conducting members are solid heat conducting
20 rods.

9. The high-performance water heater as claimed in claim 7,
wherein said heat conducting members are heat conducting tubes.

10. The high-performance water heater as claimed in claim

7, wherein said heat absorber comprises a hollow heat absorber body defining said oil chamber, and a cover plate covering said hollow heat absorber body; said heat guide comprises a hollow heat guide body defining said water chamber, and a cover plate covering
5 said hollow heat guide body; said heat conducting members each have two distal ends respectively inserted through one side of said hollow heat absorber body and one side of said hollow heat guide body and respectively suspended in said oil chamber and said water chamber.

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